

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (original) A plastic lined steel pipe characterized by having an adhesive layer on an inner surface of a steel pipe or a steel pipe galvanized on its outer surface, having a plastic layer on its further inner side, and having an initial shearing adhesion strength between the steel pipe and the plastic layer of 2.0 MPa or more, said steel pipe being a steel pipe given substrate treatment on its inner surface in advance, said substrate treatment comprising forming a phosphate chemical treatment coating treated for grain refinement.

2. (original) A plastic lined steel pipe as set forth in claim 1, wherein said plastic layer is a polyolefin resin or a cross-linked polyolefin resin.

3. (currently amended) A plastic lined steel pipe as set forth in claim 1 ~~or 2~~, wherein said adhesive layer is comprised of one or more of a maleic anhydride-modified polyolefin, itaconic anhydride-modified polyolefin, ethylene/maleic anhydride copolymer, ethylene/maleic anhydride/acrylate copolymer, ethylene/maleic anhydride/acrylate ester copolymer, ethylene/acrylate copolymer, ethylene/acrylate ester copolymer, ethylene/methacrylate copolymer, ethylene/vinyl acetate copolymer, and ionomer, and a melt end temperature of the adhesive layer is over a usage temperature of said plastic layer and less than a melt start temperature.

4. (currently amended) A plastic lined steel pipe as set forth in ~~any one of claims 1 to 3~~ claim 1, wherein an

epoxy primer layer is provided between said steel pipe and said adhesive layer.

5. (currently amended) A plastic lined steel pipe as set forth in ~~any one of claims 1 to 4~~ claim 1, wherein a primary anti-rust coating, a zinc rich paint coating, or a polyolefin coating is provided on the outer surface of said plastic lined steel pipe instead of galvanization.

6. (currently amended) A method for producing a plastic lined steel pipe as set forth in ~~any one of claims 1 to 5~~ claim 1, comprising, when producing said plastic lined steel pipe, applying substrate treatment to a steel pipe or applying substrate treatment to a steel pipe, then applying an epoxy primer layer, inserting a plastic pipe having an outside diameter smaller than the inside diameter of the steel pipe and having an adhesive layer on its outer surface into said steel pipe, drawing the steel pipe so as to make the plastic pipe come in close contact with the steel pipe, then heating the result at a temperature not less than a melt end temperature of the adhesive layer and less than a melt start temperature of the plastic pipe.

7. (original) A method for producing a plastic lined steel pipe as set forth in claim 6, further comprising, when drawing said steel pipe, drawing the steel pipe so that the outside diameter of the plastic pipe is reduced by 0.5 to 10%.